

NTS GIS Network- Meeting Minutes

Tuesday, June 18, 2019, 1:00 pm Mountain Time (12pm PT, 2pm CT, 3pm ET)

MEETING AGENDA

1. **Welcome & Introductions** (Ryan Cooper/Peter Bosnall/Kerry Shakarjian)

Meeting Attendees: (Peter Bosnall, Kerry Shakarjian, Ryan Cooper)

1. Matt Able - US FS (Presenter)
2. Reese Hirth - NPS Midwest Region, GIS Coordinator
3. Rick Gmirkin
4. Sueanne Cmehil-Warn R9 MTNF
5. Matt Schulte
6. Melanie Hans
7. Jereme Monteau -
8. Candace Bogart - USFS Region 3 GIS
9. David Fothergill - USFS Enterprise Program
10. Dennis Garcia - USFS Region 3
11. Don Owen - Partnership for the National Trails System
12. Kristine Struck - Lewis and Clark National Historic Trail
13. Stu Gregory - Portland, Oregon, member - Oregon California Trails Association
14. Tom Forbes - Mark Twain NF
15. Stafford Hazelett - Oregon California Trails Association
16. Laura White - USFS AZ National Scenic Trail
17. Elizabeth McCartney - USGS/NGTOC
18. Matt Robinson - NPS Appalachian NST
19. Michell Beiler -

2. **Announcements & Information from Audience**

3. **Discussion Topic**

Presenter – Matt Able, Forest Trail Manager, US Forest Service

Survey123 Trail Management Tools

How the Forest Service is developing electronic tools to quickly and efficiently monitor and manage trail conditions. A practical approach that can be utilized by staff, volunteers, or even the general public to give the people responsible for trails accurate, up-to-date trail data to make better management decisions..

Notes:

- Matt Able is a lifelong trails person, not a GIS person. Survey123 was a great tool to collect
- Before Survey123, paper/pencil push in the field - with Survey 123 it's all in one
- Meant to be a field management tool - not meant to be integrated with national enterprise datasets
- **Trail Management Tool** - survey on mobile device to collect trail data
 - Currently working with GIS person to help with data management on the backend after collecting the data in the field.
 - Once this is flushed out more will provide this tool out to the masses
 - Use an external antennae to get better GNSS receiver accuracy
 - Can train interns/volunteers in 30 minutes
 - Can take photos to go with your point data and point attribute information
 - Once data is collected - can create maps in ArcGIS Online (arcgis.com)
 - Can use map to view all data, photos, attributes of data collected
 - Cannot do line work in Survey123 but can collect lines in Collector for ArcGIS
 - Can integrate Survey123 and Collector so if you put a point on your Collector map the Survey123 will engage and become available.
 - Can have more than one survey feed into the same dataset! =) Makes it cleaner for focusing volunteers and less confusing to have a simple survey available.
- **Trail Community Map Tool** - see what people are out there based on Trails skills to utilize other agency personal skills for your local project.

- Trail Asset Data Viewer Map in ARcGIS Online - shows the location of different trails personnel and their specific skill set that you might be looking for your project
 - Can help provide trainings on skillsets etc.
 - Filter by skill
 - Map shows the distribution of skills
- Trying to figure out how to share with the public, other trail groups to utilize - maybe by the end of the year.

4. Future Meeting Dates & Topics 5 min.

- a. **July 16, 2019** – Ryan Branciforte, Cofounder & CEO at www.OuterSpatial.com, and Jeremy Wimpey, Ph.D. of www.appliedtrailsresearch.com, GIS Support & Analyses Along the Pacific Crest Trail and Appalachian Trail.
- b. **August 20, 2019** – Angie Southwold, Acting Alaska Region GIS Coordinator, Gathering and Organizing a GIS Inventory of Trail Assets.
- c. **September 17, 2019** - Trail Finder: <https://www.trailfinder.info/>

We always welcome suggestions for additional topics for discussion or presentations. Please contact Ryan Cooper, Peter Bonsall, and/or Derek Nelson with your suggestions!

NTS GIS Email Address: ntsgis@nps.gov

NTS GIS Network Email List: ntsgis@webmail.itc.nps.gov

NTS GIS Network Website: <http://pnts.org/new/national-trails-system-gis-network/>

NTS GIS Network Mission:

We established the NTS GIS Network as a way to connect the diverse array of National Trails System staff and partners who use GIS systems and products in their work. One of our goals is to facilitate the sharing of information and tools that help us do our jobs more efficiently and innovatively. Because the national trails system is managed as a collaboration of agencies and partner organizations, the NTS GIS Network is open to anyone.